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NOTICE OF ALLOWANCE AND FEE(S) DUE

52989

7590

02/01/2010

Dickinson Wright PLLC James E. Ledbetter, Esq. International Square 1875 Eye Street, N.W., Suite 1200 Washington, DC 20006 EXAMINER

RIZK, SAMIR WADIE

ART UNIT PAPER NUMBER

2112

DATE MAILED: 02/01/2010

APPLICATION NO. FILING DATE		FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/573.255	03/23/2006	Jifeng Li	L9289.06128	2983	

TITLE OF INVENTION: INPUT CONTROL DEVICE AND INPUT CONTROL METHOD

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1510	\$300	\$0	\$1810	05/03/2010

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

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If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

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III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

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Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE

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or <u>Fax</u> (571)-273-2885

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Dickinson Wright PLLC James E. Ledbetter, Esq. International Square				Certificate of Mailing or Transmission I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO (571) 273-2885, on the date indicated below.					
1875 Eye Street Washington, DC			(Depositor's name)						
washington, DC	20000							(Signature)	
								(Date)	
APPLICATION NO.	FILING DATE		FIRST NAMED INVENT	TOR		ATTO	RNEY DOCKET NO.	CONFIRMATION NO.	
10/573,255	03/23/2006		Jifeng Li				L9289.06128	2983	
TITLE OF INVENTION	I: INPUT CONTROL DI	EVICE AND INPUT CO	NTROL METHOD						
APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE D	UE	PREV. PAID ISSU	E FEE	TOTAL FEE(S) DUE	DATE DUE	
nonprovisional	NO	\$1510	\$300		\$0		\$1810	05/03/2010	
EXAM	IINER	ART UNIT	CLASS-SUBCLASS						
RIZK, SAM	IIR WADIE	2112	714-755000						
1. Change of correspond CFR 1.363). Change of corresp Address form PTO/SI "Fee Address" ind PTO/SB/47; Rev 03-(Number is required.	(1) the names of up to 3 registered patent attorneys or agents OR, alternatively, (2) the name of a single firm (having as a member a 2								
PLEASE NOTE: Un recordation as set fort (A) NAME OF ASSI	less an assignee is ident h in 37 CFR 3.11. Comp GNEE	pletion of this form is NC	data will appear on the Ta substitute for filing (B) RESIDENCE: (C	ne pa g an a	ntent. If an assign assignment. and STATE OR C	COUNT	RY)	cument has been filed for	
Please check the appropr	riate assignee category or	categories (will not be p	rinted on the patent):		Individual 🖵 Co	orporati	on or other private gro	up entity 🔲 Government	
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Issue Fee			A check is enclosed.						
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5. Change in Entity Sta	tus (from status indicate	d above)		•			<u> </u>		
**	s SMALL ENTITY state		* *	_	,		FITY status. See 37 CF		
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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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52989 75	590 02/01/2010	EXAMINER		
Dickinson Wrigh	nt PLLC	RIZK, SAMIR WADIE		
James E. Ledbetter	r, Esq.	ART UNIT	PAPER NUMBER	
International Squa		2112		
1875 Eye Street, N		DATE MAILED: 02/01/2010		
Washington, DC 2	0006			

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 470 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 470 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

	Application No.	Applicant(s)	
	10/573,255	LI, JIFENG	
Notice of Allowability	Examiner	Art Unit	
	SAM RIZK	2112	
The MAILING DATE of this communication appeal All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RI	(OR REMAINS) CLOSED i or other appropriate comm IGHTS. This application is	n this application. If not included unication will be mailed in due cour	se. THIS
1. This communication is responsive to <u>12/8/2009</u> .			
2. ☑ The allowed claim(s) is/are <u>11-16</u> .			
 3. Acknowledgment is made of a claim for foreign priority ur a) All b) Some* c) None of the: 1. Certified copies of the priority documents have 2. Certified copies of the priority documents have 	e been received.	· ·	
3. Copies of the certified copies of the priority do	cuments have been receive	d in this national stage application f	rom the
International Bureau (PCT Rule 17.2(a)).			
* Certified copies not received:			
Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONN THIS THREE-MONTH PERIOD IS NOT EXTENDABLE. 4. A SUBSTITUTE OATH OR DECLARATION must be subm	IENT of this application.		
INFORMAL PATENT APPLICATION (PTO-152) which give			JE OF
5. CORRECTED DRAWINGS (as "replacement sheets") mus	st be submitted.		
(a) \square including changes required by the Notice of Draftspers	on's Patent Drawing Revie	w (PTO-948) attached	
1) ☐ hereto or 2) ☐ to Paper No./Mail Date			
(b) ☐ including changes required by the attached Examiner's Paper No./Mail Date			
Identifying indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in t			K) Of
 DEPOSIT OF and/or INFORMATION about the depo attached Examiner's comment regarding REQUIREMENT 			the
Attachment(s) 1. ☐ Notice of References Cited (PTO-892)	5 Notice of Ir	formal Patent Application	
 Notice of References Cited (PTO-992) D Notice of Draftperson's Patent Drawing Review (PTO-948) 		ummary (PTO-413),	
3. ☐ Information Disclosure Statements (PTO/SB/08),	Paper No.	/Mail Date Amendment/Comment	
Paper No./Mail Date4. ☐ Examiner's Comment Regarding Requirement for Deposit		Statement of Reasons for Allowan	ce
of Biological Material	9.		
/Sam Rizk/			
Primary Examiner, Art Unit 2112			

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DETAILED ACTION

Response to the applicant's amendment dated 12/8/2009

- Claims 1-10 have been Cancelled

- Amended claims 11-16 have been submitted for examination

- Amended claims 11-16 have been allowed

Response to Arguments

Applicant's arguments see pages 6-9 filed on12/8/2009, with respect to claims 11 and 15 have been fully considered and are persuasive. The rejections of claims 11 and 15 under section 35 USC 102(e) have been withdrawn.

Allowable Subject Matter

2. Claims 11-16 are allowed.

REASONS FOR ALLOWANCE

The following is an examiner's statement of reasons for allowance:

3. The independent claims 11, 12, 15 and 16 of the present application teach for example (as per claim 11):

An input control apparatus comprising:

a receiving section that receives a signal including bits of a systematic part and bits of parity parts comprising a plurality of sequences, the signal being generated in an external transmission apparatus by turbo coding and puncturing information;

a rate dematching processing section that performs rate dematching processing on the received signal; and

a bit number reduction section that discards bits from the systematic part and bits from the parity parts so that the number of bits in each sequence of the parity parts is less than the number of bits in the systematic part, at a timing between the rate dematching processing and turbo decoding on the signal subjected to the rate dematching processing.

The foregoing limitations are not found in the prior art of record.

Particularly, none of the prior arts of record teach nor fairly suggest the emphasized limitation as cited in the independent claim 11 that comprise:

An input control apparatus comprising:

a receiving section that receives a signal including bits of a systematic part and bits of parity parts comprising a plurality of sequences, the signal being generated in an external transmission apparatus by turbo coding and puncturing information;

a rate dematching processing section that performs rate dematching processing on the received signal; and

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a bit number reduction section that discards bits from the systematic part and bits from the parity parts so that the number of bits in each sequence of the parity parts is less than the number of bits in the systematic part, at a timing between the rate dematching processing and turbo decoding on the signal subjected to the rate dematching processing.

- 4. Claims 13 and 14 depend from claim 12.
- 5. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance".

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Sam Rizk whose telephone number is (571) 272-8191. The examiner can normally be reached on M-F 8-5.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Scott Baderman can be reached on (571) 272-3644. The fax phone number for the organization where this application or proceeding is assigned is (703) 872-9306.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronics Business Center (EBC) at 866-217-9197 (toll-free)

Primary Examiner, Art Unit 2112

/Sam Rizk/